

Title (en)  
BORONIC ESTER AND ACID COMPOUNDS, SYNTHESIS AND USES

Title (de)  
BORONSÄURE-UND-ESTERVERBINDUNGEN, DEREN SYNTHESE UND VERWENDUNGEN

Title (fr)  
COMPOSES D'ESTERS ET D'ACIDES BORONIQUES, LEUR SYNTHÈSE ET LEURS UTILISATIONS

Publication  
**EP 0788360 A4 19980506 (EN)**

Application  
**EP 95939670 A 19951027**

Priority

- US 9514117 W 19951027
- US 33052594 A 19941028
- US 44258195 A 19950516

Abstract (en)  
[origin: EP1997823A1] Disclosed herein are novel boronic ester and acid compounds, their synthesis and their uses.

IPC 1-7  
**A61K 31/535**; **A61K 31/185**; **C07C 229/26**; **C07C 229/02**; **C07D 295/14**

IPC 8 full level  
**C07D 295/14** (2006.01); **A61K 31/185** (2006.01); **A61K 31/40** (2006.01); **A61K 31/47** (2006.01); **A61K 31/535** (2006.01); **A61K 31/5375** (2006.01); **A61K 31/69** (2006.01); **A61K 38/00** (2006.01); **A61K 38/05** (2006.01); **A61K 38/55** (2006.01); **A61P 11/06** (2006.01); **A61P 17/00** (2006.01); **A61P 17/06** (2006.01); **A61P 19/00** (2006.01); **A61P 19/02** (2006.01); **A61P 19/10** (2006.01); **A61P 29/00** (2006.01); **A61P 31/00** (2006.01); **A61P 31/04** (2006.01); **A61P 31/18** (2006.01); **A61P 35/00** (2006.01); **A61P 37/00** (2006.01); **A61P 37/06** (2006.01); **A61P 43/00** (2006.01); **C07D 207/16** (2006.01); **C07D 213/30** (2006.01); **C07D 215/12** (2006.01); **C07D 215/36** (2006.01); **C07D 215/48** (2006.01); **C07D 241/12** (2006.01); **C07D 295/18** (2006.01); **C07D 307/68** (2006.01); **C07D 401/12** (2006.01); **C07D 471/04** (2006.01); **C07F 5/02** (2006.01); **C07F 5/04** (2006.01); **C07K 5/06** (2006.01); **C07K 5/062** (2006.01); **C07K 5/065** (2006.01); **C07K 5/078** (2006.01); **C07K 5/083** (2006.01)

IPC 8 main group level  
**C07K** (2006.01)

CPC (source: EP KR US)  
**A61K 31/185** (2013.01 - KR); **A61K 31/535** (2013.01 - KR); **A61P 9/00** (2018.01 - EP); **A61P 11/06** (2018.01 - EP); **A61P 17/00** (2018.01 - EP); **A61P 17/06** (2018.01 - EP); **A61P 19/00** (2018.01 - EP); **A61P 19/02** (2018.01 - EP); **A61P 19/10** (2018.01 - EP); **A61P 29/00** (2018.01 - EP); **A61P 31/00** (2018.01 - EP); **A61P 31/04** (2018.01 - EP); **A61P 31/18** (2018.01 - EP); **A61P 35/00** (2018.01 - EP); **A61P 37/00** (2018.01 - EP); **A61P 37/06** (2018.01 - EP); **A61P 43/00** (2018.01 - EP); **C07C 229/26** (2013.01 - KR); **C07D 295/14** (2013.01 - KR); **C07F 5/025** (2013.01 - EP US); **C07F 5/04** (2013.01 - US); **C07K 5/06** (2013.01 - US); **C07K 5/06043** (2013.01 - EP US); **C07K 5/06139** (2013.01 - EP US); **C07K 5/06191** (2013.01 - EP US); **C07K 5/0808** (2013.01 - US); **C07K 5/0827** (2013.01 - EP US); **A61K 38/00** (2013.01 - EP US)

Citation (search report)

- [Y] EP 0315574 A2 19890510 - HOECHST AG [DE]
- [DPY] WO 9525533 A1 19950928 - HARVARD COLLEGE [US]
- [DPY] WO 9524914 A1 19950921 - MYOGENICS INC [US]

Cited by  
EP2280016A1; WO2012048745A1; US8101616B2; WO2016184793A1; US8163765B2; US8138198B2; US8377935B2; EP2270019A1; WO2013021032A1; WO2010146172A2; US8163733B2; US8513237B2; US8114876B2; US8119650B2; US8193205B2; US8524728B2; US8592441B2; US8664223B2; US9078896B2; US9150543B2; US9636341B2; US8114999B2; US8268833B2; US8343988B2; US8455498B2; US8524711B2; US8697717B2; US8916554B2; US9150560B2; US9533979B2; US9556161B2

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9613266 A1 19960509**; AT E241631 T1 20030615; AT E314378 T1 20060115; AT E411324 T1 20081015; AU 4139896 A 19960523; AU 710564 B2 19990923; AU 710564 C 19960523; CA 2203936 A1 19960509; CA 2203936 C 20050412; CA 2496538 A1 19960509; CA 2496538 C 20110802; CH 0788360 H1 20060315; CN 101077875 A 20071128; CN 101077875 B 20110126; CN 1168633 A 19971224; CN 1305475 C 20070321; CY 2484 B1 20050603; DE 122004000025 I1 20040930; DE 122004000025 I2 20060907; DE 69530936 C5 20070222; DE 69530936 D1 20030703; DE 69530936 T2 20040226; DE 69530936 T3 20100826; DE 69534727 D1 20060202; DE 69534727 T2 20060914; DE 69535866 D1 20081127; DK 0788360 T3 20030922; DK 0788360 T5 20170918; DK 1312609 T3 20060515; DK 1627880 T3 20081208; EP 0788360 A1 19970813; EP 0788360 A4 19980506; EP 0788360 B1 20030528; EP 0788360 B3 20090812; EP 1312609 A1 20030521; EP 1312609 B1 20051228; EP 1627880 A1 20060222; EP 1627880 B1 20081015; EP 1997823 A1 20081203; ES 2199257 T3 20040216; ES 2199257 T7 20100331; ES 2254803 T3 20060616; ES 2314540 T3 20090316; FI 114801 B 20041231; FI 120974 B 20100531; FI 20041415 A 20041103; FI 971746 A0 19970423; FI 971746 A 19970606; FR 04C0014 I1 20040917; FR 04C0014 I2 20050521; HK 1002059 A1 19980731; HK 1087714 A1 20061020; IL 115790 A0 19960119; IL 115790 A 20021201; IL 133831 A0 20010430; IL 133831 A 20040328; IL 137726 A0 20011031; IL 137726 A 20040831; JP 3717934 B2 20051116; JP H10510245 A 19981006; KR 100398944 B1 20040604; KR 970706824 A 19971201; LU 91083 I2 20040809; LU 91083 I9 20181228; MX 9703063 A 19980731; NL 300151 I1 20040802; NL 300151 I2 20040901; NO 2004004 I1 20040806; NO 2004004 I2 20070910; NO 310558 B1 20010723; NO 971929 D0 19970425; NO 971929 L 19970612; NZ 296717 A 19991129; NZ 337211 A 20001222; PT 1312609 E 20060531; PT 1627880 E 20090123; PT 788360 E 20031031; TW 318850 B 19971101; US 2002173488 A1 20021121; US 2003199561 A1 20031023; US 2004167332 A1 20040826; US 2006122390 A1 20060608; US 2007282100 A1 20071206; US 2008132678 A1 20080605; US 2009247731 A1 20091001; US 2011306560 A1 20111215; US 2013310320 A1 20131121; US 2015072942 A1 20150312; US 5780454 A 19980714; US 6066730 A 20000523; US 6083903 A 20000704; US 6297217 B1 20011002; US 6465433 B1 20021015;

US 6548668 B2 20030415; US 6617317 B1 20030909; US 6747150 B2 20040608; US 7119080 B2 20061010; US 7531526 B2 20090512;  
US 8003791 B2 20110823; US 8378099 B2 20130219

DOCDB simple family (application)

**US 9514117 W 19951027**; AT 03004280 T 19951027; AT 05023462 T 19951027; AT 95939670 T 19951027; AU 4139896 A 19951027;  
CA 2203936 A 19951027; CA 2496538 A 19951027; CH 95939670 T 19951027; CN 200710088725 A 19951027; CN 95196590 A 19951027;  
CY 0400082 A 20041119; DE 122004000025 C 19951027; DE 69530936 C 19951027; DE 69530936 T 19951027; DE 69534727 T 19951027;  
DE 69535866 T 19951027; DK 03004280 T 19951027; DK 05023462 T 19951027; DK 95939670 T 19951027; EP 03004280 A 19951027;  
EP 05023462 A 19951027; EP 08016076 A 19951027; EP 95939670 A 19951027; ES 03004280 T 19951027; ES 05023462 T 19951027;  
ES 95939670 T 19951027; FI 20041415 A 20041103; FI 971746 A 19970423; FR 04C0014 C 20040519; HK 06107756 A 20060711;  
HK 98100951 A 19980207; IL 11579095 A 19951027; IL 13383195 A 19951027; IL 13383199 A 19991230; IL 13772600 A 20000807;  
IL 13772695 A 19951027; JP 51483496 A 19951027; KR 19970702789 A 19970428; LU 91083 C 20040609; MX 9703063 A 19970425;  
NL 300151 C 20040514; NO 2004004 C 20040806; NO 971929 A 19970425; NZ 29671795 A 19951027; NZ 33721195 A 19951027;  
PT 03004280 T 19951027; PT 05023462 T 19951027; PT 95939670 T 19951027; TW 84111436 A 19951027; US 10029502 A 20020318;  
US 12599702 A 20020419; US 201113213157 A 20110819; US 201313739223 A 20130111; US 201414247711 A 20140408;  
US 25229105 A 20051017; US 39216503 A 20030319; US 41619309 A 20090401; US 44258195 A 19950516; US 49051100 A 20000125;  
US 54931895 A 19951027; US 642208 A 20080102; US 64237206 A 20061220; US 73023103 A 20031208; US 8540498 A 19980526;  
US 95354001 A 20010914